

(PCT Article 36 and Rule 70)

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/017294

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-22 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. 2-7, 10 _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1, 8, 9 _____ received by this Authority on 02.09.2005
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets 1-8 _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	<u>1-10</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-10</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-10</u>	YES
	Claims		NO
2. Citations and explanations (Rule 70.7)			
<p>Document 1: JP 2003-113326 A (Sekisui Chemical Co., Ltd.), 18 April 2003, claims; paragraphs [0028] to [0036] and [0043] to [0045]; embodiments</p> <p>Document 2: JP 2002-348414 A (Idemitsu Petrochemical Co., Ltd.), 4 December 2002, claims; paragraphs [0008] to [0009]; embodiments</p> <p>Document 3: JP 2000-355640 A (Sekisui Chemical Co., Ltd.), 26 December 2000, claims; paragraphs [0021] to [0028]; embodiments</p> <p>Document 4: JP 2002/79275 A (Idemitsu Petrochemical Co., Ltd.), 10 October 2002, claims; page 10, line 22 to page 12, line 8; embodiments</p> <p>Document 5: JP 5-194851 A (Tosoh Corporation), 3 August 1993, claims, paragraphs [0028] and [0033]; embodiments</p> <p>The inventions set forth in claims 1 to 10 involve an inventive step in relation to documents 1 to 4 cited in the international search report and newly cited document 5. Documents 1 to 4 do not set forth lamellar organic silicic acid derived from lamellar polysilicic acid as an additive for a biodegradable resin, and</p>			

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document 5 does not set forth biodegradable resin as a resin to which lamellar organic silicic acid derived from lamellar polysilicic is added. Moreover, none of the documents sets forth the advantageous effect of the invention of this application, wherein hydrolysis is reduced, and deterioration in the contents and discoloration during heating are reduced.